Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

UNGER ET AL.

10/037,498

Examiner

Date

Art Unit

Eleni A. Shiferaw

2136

√ Rejected
= Allowed

- (Through numeral)
Cancelled

Restricted

Claim

N Non-Elected

I Interference

A Appeal
O Objected

| Cla   | Date  |   |  |                                       |          |          |          |          |          |          |
|-------|---|---|--|---------------------------------------|----------|----------|----------|----------|----------|----------|
| - 010 |   |   |  |                                       |          |          |          |          | 一        |          |
| Final | Original  | 4/7/05                                  | 7/25/05  | 11/21/05                              |          | !        |          |          |          |          |
|       |   | 1                                       | 1  | 7                                     |          |          |          |          |          |          |
|       | 2   | 1                                       | 1  | 1                                     |          |          |          |          |          | $\neg$   |
|       | 3   | J                                       | j  | 7                                     |          | _        | $\vdash$ |          |          | $\dashv$ |
|       | 7   | 1                                       | 1  | H                                     | H        | -        | $\vdash$ |          | -        | $\neg$   |
|       | -   | 1                                       | 1  | H                                     | ┢━       | _        | $\vdash$ | _        | -        |          |
|       | -   | · ·                                     | N A  | -                                     |          | -        |          |          | $\vdash$ | $\dashv$ |
|       | -   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   | ·/   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | ┝        |          | -        |          | -        | -        |
|       | -   | -/                                      | V ./   | 1                                     | ⊢        | ┝        | $\vdash$ | -        |          |          |
|       | -   | · /                                     | -/   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | ┝        | ┝        | -        | _        | _        |          |
|       | 40  | 7                                       | -/   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | _        | $\vdash$ | -        | -        | ⊢        |          |
|       | 10  | 7                                       | Ÿ  | ۲ <u>۰</u>                            | ┝        | ⊢        | <u> </u> | ┝        | -        | $\vdash$ |
|       | 11  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   | \ \ \ \  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | _        | <u> </u> | ├-       |          | -        | -        |
|       | 12  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   | \ \ \ \  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | <u> </u> | ⊢        | ├-       | -        | -        |          |
|       | 13  | ٧,                                      | ٧,   | Y                                     | _        | <u> </u> | <u> </u> | <u> </u> | _        |          |
|       | 14  | <u>۷</u>                                | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \                      | 1                                     | <u> </u> | _        | <u> </u> | <u> </u> |          |          |
|       | 15  | 1                                       | 1  | 1                                     | ļ        | _        | <u> </u> | _        | _        |          |
|       | 16  | 1                                       | 1  | 1                                     | <u> </u> |          | <u> </u> |          |          |          |
|       | 17  | 1                                       | 1  | 1                                     | L        | ļ        | L_       | L        |          |          |
|       | 18  | 1                                       | √  | 1                                     | L        |          | _        |          |          |          |
|       | 19  | 1                                       | 1  | 1                                     |          |          |          | <u></u>  |          |          |
|       | 20  | 1                                       | 1  | 1                                     | L        |          | L        |          |          |          |
|       | 21  | 1                                       | 1  | 1                                     |          | L        | _        | _        |          |          |
|       | 22  | 1                                       | 1  | ۷                                     |          |          | <u>_</u> | _        |          |          |
|       | 23  | 1                                       | 1  | √                                     |          |          |          |          |          | Ш        |
|       | 24  | 1                                       | 1  | 1                                     |          |          | L        |          | _        |          |
| L     | 25  | 1                                       | 1  | 1                                     |          |          |          | _        | _        |          |
|       | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 | 1                                       | 1  | -                                     |          |          |          |          |          |          |
|       | 27  | √                                       | 1  | V                                     |          |          |          |          |          |          |
|       | 28  | 1                                       | 1  | ۷                                     |          |          | _        |          |          |          |
|       | 29  | 1                                       | 1  | √                                     |          |          |          |          |          |          |
|       | 30  | 1                                       | 1  | V                                     | Г        |          |          |          |          |          |
|       | 31  | 1                                       | 1  | ₹                                     |          |          |          | $I^-$    |          |          |
|       | 32  | 1                                       | 1  | -                                     | Г        | Ī _      |          |          |          |          |
|       | 33  | 1                                       | 1  | 1                                     |          |          |          |          |          |          |
|       | 34  | 1                                       | V  | 1                                     |          |          |          |          |          |          |
|       | 35  | 1                                       | 1  | √                                     |          |          |          |          |          |          |
|       | 31<br>32<br>33<br>34<br>35<br>36<br>37<br>38  | マファファファファファファファファファファファファファファファファファファファ | <ul><li>ファンファンファンファンファンファンファンファンファンファンファンファンファンフ</li></ul> | マット・・                                 |          |          |          |          |          |          |
|       | 37  | 1                                       | <b>√</b>   | 1                                     |          |          |          |          | $L^-$    |          |
|       | 38  | 1                                       | 1  | V                                     |          |          |          |          |          |          |
|       | 39  | 1                                       | V  | V                                     |          |          |          |          |          |          |
|       | 40  | <u> </u>                                |  |                                       |          |          |          |          |          |          |
|       | 41  | V                                       | V  | V                                     |          |          |          |          |          |          |
|       | 42  | V                                       | 1  | 1                                     |          |          |          |          |          |          |
|       | 43  | V                                       | 1  | ٧                                     |          |          |          |          |          |          |
|       | 44  | V                                       | V  | 1                                     |          |          |          |          |          |          |
|       | 45  | V                                       | 1  | 1                                     |          |          |          |          |          |          |
|       | 46  | V                                       | 1  | 1                                     |          |          |          |          |          |          |
|       | 47  | ₹                                       | 1  | ٧                                     |          |          |          |          |          |          |
|       | 48  | V                                       | 1  | 1                                     |          |          |          |          |          |          |
|       | 49  | 1                                       | 1  | 1                                     |          |          |          |          |          |          |
|       | 50  | 1                                       | 1  | 1                                     |          |          |          |          |          |          |
|       |   |   |  |                                       |          |          |          |          |          |          |

|   | Final | Original       | 4/7/05   | 4/7/05   | 4/7/05   |  |  |  |  |          |  |
|---|-------|----------------|--|--|--|--|--|--|--|----------|--|
| ì |       | 51             | 1  | 1  | 1  |  |  |  |  |          | _  |
| ì |       | 52             |  | 1  | V  |  |  |  |  |          |  |
| 1 |       | 53             | 1  | 7  | 1  |  | _  | _  | Н  |          | $\vdash$   |
| 1 |       | 54             | 1  | 1  | 1  | ┢  |  | -  | l  |          |  |
| 1 |       | 55             | V  | 1  |  | <u> </u>   |  |  | -  | -        |  |
| 1 |       | 55<br>56       | 7 7  | 1  | 1  | $\vdash$   |  | _  | -  |          | _  |
| 1 |       | 57             | J  | Ì  | V  | $\vdash$   | $\vdash$   | _  | $\vdash$   |          | $\vdash$   |
| ı |       | 58             | V  | ij   |  | _  | _  |  | ┢  | H        | ┝  |
| 1 |       | 59             | 1  | 7  | 1  | _  | -  |  | $\vdash$   |          | ┢  |
| 1 |       | 60             | V  | Ì  | V  | $\vdash$   | -  | _  | $\vdash$   | $\vdash$ | $\vdash$   |
| 1 |       | 61             | 1  | 7 7 7  | J  | ┢  | _  | _  |  | $\vdash$ | $\vdash$   |
| 1 |       | 61<br>62       | V  | 寸  | 1  | -  |  | $\vdash$   | $\vdash$   | $\vdash$ | _  |
| 1 |       | 63             |  |  |  |  | -  | _  |  |          | $\vdash$   |
| ı |       | 64             | √<br>√   | 1  | 1  | _  | -  | <del> </del>                                     |  |          | -  |
| 1 |       | 65             | 1  | 1  | V  | 1  | _  | -  | $\vdash$   |          |  |
| 1 |       | 66             | į  | v  | V  | ┢  | -  | ┢─   | -  |          | ┢  |
|   |       | 67             | V  | V  | 1  | $\vdash$   |  | -  | _  | -        | ┢  |
|   |       | 66<br>67<br>68 | V  | 1  | 1  | $\vdash$   |  | ┝  | -  | -        | -  |
|   |       | 60             |  |  |  | ┢  | -  | $\vdash$   | -  | ┢        | ┢  |
|   |       | 69<br>70       | 1  | 1  | 1  | $\vdash$   | $\vdash$   |  |  | ┢        | $\vdash$   |
|   |       | 71             | V  | V  | V  | -  | ┢  | <del>                                     </del> | _  | ┢        | ┢  |
|   |       | 72             | V  | 1  | Ì  | $\vdash$   | $\vdash$   | $\vdash$   | -  | ┢        | ⊢  |
|   |       | 72<br>73<br>74 | V  | Ì  | V  | ┢  | ┢  | <del> </del>                                     | -  | $\vdash$ | ┢  |
|   |       | 74             |  | Ì  | V  | Ι  | ├-   | $\vdash$   | $\vdash$   | ┢        | $\vdash$   |
|   |       | 75             | 1  | V  | 1  | -  | -  | ┢  | ┢  | -        | $\vdash$   |
|   |       | 76             | V  | 1  | V  | -  | -  | -  | ┢  | ┢        | ⊢  |
|   |       | 76<br>77<br>78 | 1  | V  | V  | -  | ╁  | -  | $\vdash$   | $\vdash$ | ┢  |
|   |       | 78             | V  | V  | V  | -  | ┢  | $\vdash$   | <del>                                     </del> | -        | $\vdash$   |
|   |       | 79             | Ť  | V  | 1  | ⊢  | ┢  |  | -  | -        | -  |
|   |       | 80             |  |  | V  | -  | -  | ┢╌   | $\vdash$   | -        | ┢  |
|   |       | 81             | 1  | 1  | 1  | ├-   |  | -  |  | ┢        | ┢  |
|   |       | 82             | <del> </del>                                     | 1  | -  | ╁  | ┝  | -  | -  | -        | $\vdash$   |
|   |       | 83             | ┢  | V  | <del>-</del>                                     | $\vdash$   | ┢  | -  | -  | ┢        | -  |
|   |       | 84             |  | V  | -  | $\vdash$   | H  | $\vdash$   | -  | ┢        | ╁  |
|   |       | 85             |  | V  | -  |  | H  | ┢  | _  | 一        | $\vdash$   |
|   |       | 86             | 一  | j  | -  | $\vdash$   | $\vdash$   | $\vdash$   | -  | 一        | $\vdash$   |
|   |       | 87             | $\vdash$   | ΙŤ   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$ | $\vdash$   |
|   |       | 88             | T  | <del> </del>                                     | T  |  | $\vdash$   | $\vdash$   | 1  | $\vdash$ | $\vdash$   |
|   |       | 89             | -  | -  | $\vdash$   |  | $\vdash$   | _  | ┰  | $\vdash$ | <del>                                     </del> |
|   |       | 90             | -  | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | -  | $\vdash$   |          | $\vdash$   |
|   |       | 91             | H  | T  |  | 一  | _  | ┢  | T  |          | Г  |
|   |       | 92             | Н  |  |  |  |  | <u> </u>   |  |          | Г  |
|   |       | 93             | $\vdash$   |  |  |  |  |  |  |          | Н  |
|   |       | 94             | $t^-$  | 1  | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | Т  |
|   |       | 95             | T  | $\vdash$   |  |  |  | <u> </u>   | t  | $\vdash$ | Т  |
|   |       | 96             | T  | $\vdash$   | t  |  |  | Т  | <del>                                     </del> | $\vdash$ | Т  |
|   |       | 97             | t  |  |  | 1  | Т  | -  | $\vdash$   | $\vdash$ | $\vdash$   |
|   |       | 98             | T  |  | <u> </u>   | $\vdash$   | <del>                                     </del> |  | İ  | $\vdash$ | $\vdash$   |
|   |       | 99             | $\vdash$   | $\vdash$   | $\vdash$   | 1  | t  | 1  | H  |          | Т  |
|   |       | 100            | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <u> </u>   |  | t  | $\vdash$ | Н  |
|   |       |                | <u></u>  |  |  |  | Ь  |  | ь  | Щ.       | <u>—</u>   |

| Claim |   | Date     |  |  |          |              |          |          |          |          |  |
|-------|---|----------|--|--|----------|--------------|----------|----------|----------|----------|--|
| Final | Original                                      |          |  |  |          |              |          |          |          |          |  |
|       | 101   |          |  | Ш  |          |              |          |          |          |          |  |
|       | 102   |          |  |  |          |              |          |          |          |          |  |
|       | 103   |          |  | _  |          |              |          |          |          | _        |  |
|       | 102<br>103<br>104<br>105<br>106               | _        |  |  |          |              |          |          |          | _        |  |
|       | 105   |          | _  |  |          |              |          |          |          | Н        |  |
|       | 105   |          |  |  | _        |              |          |          |          | $\dashv$ |  |
|       | 107   |          | _  | -  |          | -            |          |          |          | $\dashv$ |  |
|       | 107<br>108<br>109<br>110<br>111               |          | _  |  |          |              |          |          | _        | $\dashv$ |  |
|       | 110   |          |  |  |          | _            |          |          |          | П        |  |
|       | 111   |          |  |  |          |              |          |          | _        | П        |  |
|       | 112   |          | Г  |  |          |              |          |          |          |          |  |
|       | 113   |          |  |  |          |              |          |          |          |          |  |
|       | 114   |          |  |  |          |              |          |          |          |          |  |
|       | 115   |          |  | $oxedsymbol{oxed}$   | $\Box$   |              |          |          | L        | Щ        |  |
|       | 116   | _        |  | _  | _        |              |          |          | L        |          |  |
|       | 113<br>114<br>115<br>116<br>117<br>118<br>119 | <u> </u> | <u> </u>   |  | _        | _            | _        | _        | <u> </u> | $\vdash$ |  |
|       | 118   | <u> </u> | ├  |  | _        |              |          |          | _        | Н        |  |
|       | 120   |          |  | -  |          |              |          |          |          | Н        |  |
|       | 120   | -        | ┝  | -  | _        |              |          |          |          | Н        |  |
|       | 122   | _        | _  | -  | _        | $\vdash$     |          |          |          | Н        |  |
|       | 120<br>121<br>122<br>123                      |          |  |  |          |              |          |          |          | П        |  |
|       | 124   |          |  |  |          |              |          |          |          | П        |  |
|       | 125   |          |  |  |          |              |          |          |          |          |  |
|       | 126   |          |  | $ldsymbol{ld}}}}}}$ |          |              | <u> </u> | _        | L        | Ш        |  |
|       | 127   | ļ        | _  | <u> </u>   | _        | _            |          |          | <u> </u> | Ш        |  |
|       | 124<br>125<br>126<br>127<br>128<br>129<br>130 | _        | _  | _  | _        | -            |          |          |          | Н        |  |
|       | 129   | ⊢        | <u> </u>   |  | _        | <del> </del> | <u> </u> | ┝        | ⊢        | Н        |  |
| ļ     | 131   | $\vdash$ |  |  | -        | -            |          | ┝        | ├        | Н        |  |
| _     | 132   | ├        | -  |  | _        | ⊢            | ├─       |          | -        | Н        |  |
|       | 132<br>133                                    | -        | -  | -  |          | H            | $\vdash$ | $\vdash$ | -        | Н        |  |
|       | l 134   | -        | <del>                                     </del> | $\vdash$   | _        | Т            | $\vdash$ | $\vdash$ | $\vdash$ | Н        |  |
|       | 135   | $\vdash$ |  |  |          |              |          |          |          | П        |  |
|       | 135<br>136<br>137                             |          |  |  |          |              |          |          |          |          |  |
|       | 137   |          |  |  |          |              |          |          |          |          |  |
|       | 138<br>139                                    | L_       | _  | <u> </u>   | L        | <u> </u>     | <u> </u> |          | L        | Ш        |  |
|       | 139   | <u> </u> | _  |  | <u> </u> | $\vdash$     | _        | _        | _        | $\vdash$ |  |
|       | 140<br>141                                    |          | -  | ├  | <u> </u> | $\vdash$     | $\vdash$ | $\vdash$ | <u> </u> | $\vdash$ |  |
|       | 141   | -        | $\vdash$   | $\vdash$   | $\vdash$ | -            | ├-       | -        | -        | Н        |  |
|       | 143   |          | $\vdash$   | $\vdash$   | $\vdash$ | -            | -        | -        | -        | Н        |  |
|       | 144   |          | $\vdash$   | $\vdash$   | $\vdash$ |              | -        | _        |          | Н        |  |
|       | 145   |          | T  |  | $\vdash$ |              | -        | _        | _        | П        |  |
|       | 146   | $\vdash$ |  | T  | Γ        |              | _        |          | 1        | П        |  |
|       | 147   |          |  |  |          |              |          |          |          |          |  |
|       | 148   |          |  |  |          |              |          |          |          |          |  |
|       | 149   |          |  |  |          |              | <u></u>  | _        |          | $\Box$   |  |
| L     | 150   | <u>L</u> | <u></u>  | <u> </u>   | L        | <u></u>      | L        | L_       | L.,      |          |  |